Strength in Unity!

MF Pad Considerations

400 Hz Power Converter

- The 400-Hz connectors installed on power pop-ups: The part number for the 400-Hz connector receptacle that mates with our 400-Hz cables is part number MS90555-C-44-4-12SZ. Contractors installed 60-Hz connectors, wouldn't mate with 400-Hz connectors

- 400-Hz power source used is a 60-kVA converter. The 60-kVA output is the same output as a single MMG-1A unit. Building housing the 400-Hz converter at south end of the entire pad. The distribution distance to opposite end could produce voltage drops that may affect test equipment. Recommend 400-Hz power source in future construction be located in the center of pad or more than one 400-Hz power converter, one at each end of the MF Pad

Grounding

- Interconnected ground system with ground rods under each grounding cup. Grounding points every ten feet. .6 Ohms to ground

- The grounds for the transformers, pop-ups, and grid rods are interconnected. Good because all grounds must be tied together. Even the fence is a ground that must be tied to pad ground

Grounding

Power/Voltage Output

- **Initial voltage output, both 60-Hz & 400-Hz, were high enough to cause warning alarms on RTCASS stations at night. Had to have Facilities turn voltage outputs down**